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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/771,833
Filing Date	02/03/2004
First Named Inventor	Dean R. Artis
Unit	1656
Examiner Name	Kim, Alexander D.
Attorney Docket Number	039363-1106

Sheet 1 of 7

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	2001/0008765	07-19-2001	Shinoki et al.	
	A2	2001/0012537	08-09-2001	Anderson et al.	
	A3	2001/0014448	08-16-2001	Chappa et al.	
	A4	2001/0014449	08-16-2001	Nerenberg et al.	
	A5	2001/0016322	08-23-2001	Caren et al.	
	A6	2001/0018642	08-30-2001	Balaban et al.	
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	A8	2001/0039271	11-08-2001	Bunnage et al.	
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	A26	6288234	09-11-2001	Griffin	
	A27	6297021	10-02-2001	Nienaber et al.	
	A28	6465494	10-15-2002	Earle et al.	
	A29	6479493	11-12-2002	Whitehead et al.	

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

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Examiner Name	Kim, Alexander D.					
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	A30	WO 99/63931	12-16-1999	The Salk Institute for Biological Studies		

NON PATENT LITERATURE DOCUMENTS			
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	A31	ASHANI and Wilson, A covalent affinity column for the purification of acetylcholinesterase. Biochem. Biophys. Acta, 276:317-322, 1972.	
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Sheet	3	of	7	Attorney Docket Number	039363-1106

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	A36	BURGERS <i>et al.</i> , "Stereochemistry of hydrolysis of adenosine 3':5'-cyclic phosphorothioate by the cyclic phosphodiesterase from beef heart." <i>The Journal of Biological Chemistry</i> , 254 (20): 9959-9961 (1979)	
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	A42	FITZGERALD <i>et al.</i> , Crystallographic analysis of a complex between human immunodeficiency virus type 1 protease and acetyl-pepstatin at 2.0-A resolution. <i>The Journal of Biological Chemistry</i> , 265 (24): 14209-14219, 1990.	
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	A44	GILLILAND et al., Crystallization of biological macromolecules for X-ray diffraction studies. Current Opinion in Structural Biology, 6:595-603 (1996).	
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	A58	SODERLING, <i>et al.</i> , "Identification and Characterization of a Novel Family of Cyclic Nucleotide Phosphodiesterases," <i>Journ. Biol. Chem.</i> 273(25):15553-15558 (1998)		

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	A59	SONNENBURG, <i>et al.</i> , "Identification of Inhibitory and Calmodulin-binding Domains of the PDE1A1 and PDE1A2 Calmodulin-stimulated Cyclic Nucleotide Phosphodiesterases," <i>Journ. of Biol. Chem.</i> 270:30989-31000 (1995)	
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	A63	WUTHRICH, K., "Three Dimensional Protein Structures by NMR," <i>Library of Congress</i> 176-199 (1986)	
	A64	WUTHRICH, NMR-This other method for protein and nucleic acid structure determination. <i>Acta Cryst.</i> , D51: 249-270, 1995.	
	A65	YAMAZAKI, <i>et al.</i> , "Cyclic GMP-specific, High Affinity, Noncatalytic Binding Sites on Light-activated Phosphodiesterase," <i>Journ. of Biol. Chem.</i> 255(23):11619-11624 (1980)	
	A66	YANG ET AL., Peptide analogs from E-cadherin with different calcium-binding affinities. <i>Journal of Peptide Research</i> , 55:203-215, 2000.	

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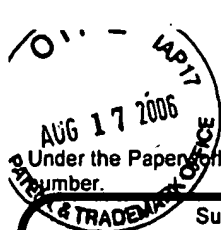
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/771,833
Filing Date	2/3/2004
First Named Inventor	Dean R. Artis
Group Art Unit	1656
Examiner Name	Kim, Alexander D.
Attorney Docket Number	039363-1106

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

UNPUBLISHED U.S. PATENT APPLICATION DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Application Document		Name of Patentee or Applicant of Cited Document	Filing Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Serial Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
AK	A1	DYM et al., Molecular docking of competitive phosphodiesterase inhibitors, Molecular Pharmacology, 61:20-25, 2002	
	A2	HADDAD et al., Immunopharmacological potential of selective phosphodiesterase inhibition. I. Differential regulation of lipopolysaccharide-mediated proinflammatory cytokine (Interleukin-6 and tumor necrosis factor- α) Biosynthesis in alveolar epithelial cells, The Journal of Pharmacology and Experimental Therapeutics, 300:559-566, 2002	
	A3	HUAI et al., Three-dimensional structures of PDE4D in complex with roliprams and implication on inhibitor selectivity, Structure, 11:865-873, 2003	
	A4	MANNING et al., Suppression of human inflammatory cell function by subtype-selective PDE4 inhibitors correlates with inhibition of PDE4A and PDE4B, British Journal of Pharmacology, 128:1393-1398, 1999	

Examiner
SignatureDate
Considered

2/8/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
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AK	A5	TEJADA et al., The phosphodiesterase inhibitory selectivity and the <i>in vitro</i> and <i>in vivo</i> potency of the new PDE5 inhibitor vardenafil, International Journal of Impotence Research, 13:282-290, 2001	

Examiner Signature		Date Considered	
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